

EMBO2024 Ubiquitin and Ubl proteins in health and disease - Full Program

Friday, 27 September 2024	Time	Event
Registration	14:00-18:00	
Welcome	18:00-18:15	Yifat Merbl – Weizmann Institute of Science
Keynote Lecture	18:15-19:00	Michele Pagano – To degrade or not to degrade
Welcome Dinner	19:00-21:00	
Saturday, 28 September 2024	Time	Event
Session I: Insights into Ub/Ubl conjugation (Part I)	09:00-10:20	Chairpersons: Christian Behrends & Pedro Domingos
Christopher Lima	09:00-09:25	Capturing conformational transitions in the ubiquitin conjugation cascade
Sarah Trevelyan	09:25-09:40	Mechanistic understanding of K6/K48 branched ubiquitin chain assembly by RNF14
Emily Dearlove	09:40-09:55	DTX3L ubiquitin ligase ubiquitinates single-stranded nucleic acids
Helen Walden	09:55-10:20	Regulation of interstrand crosslink repair by monoubiquitin
Coffee Break	10:20-10:50	
Session II: Insights into Ub/Ubl conjugation (Part II)	10:50-13:05	Chairpersons: Alfred Vertegaal & Annette Aichem
Virginia De Cesare	10:50-11:05	UBE2Qs: A new family of non-canonical ubiquitin conjugating enzymes
Daniel Squair	11:05-11:20	ZNFX1 is an RNA-responsive E3 with a bifurcated ligase mechanism
Helle Ulrich	11:20-11:45	Trans-branching of polyubiquitin chains as a timing device for DNA replication stress response
Ron Hay	11:45-12:10	PML mutants reveal SUMO1-TOPORS and SUMO2/3-RNF4 degradation pathways
Paul Elliott	12:10-12:25	Understanding specificity within the ubiquitin cascade
Radoslav Enchev	12:25-12:40	Structural dynamics in the regulation of Cullin-RING ligases
Brenda Schulman	12:40-13:05	Visualizing multiprotein complexes regulating ubiquitin-mediated proteolysis
Lunch	13:05-15:00	
Session III: Molecular insights into proteasome function	15:00-16:55	Chairpersons: Elke Krueger & Lukas Cermak
Dan Finley	15:05-15:30	Global remodeling of the proteome in terminal differentiation
Andy Martin	15:30-15:55	The thioredoxin-like protein TXNL1 binds the human 26S proteasome during substrate processing
Nico Dantuma	15:55-16:10	Protein sequestration and degradation during proteotoxic stress
Karin Goldberg	16:10-16:25	Beyond protein breakdown: Novel roles of proteasome-cleaved peptides
Coffee Break	16:25-16:55	
Kylie Walters	16:55-17:20	Proteasome Substrate Receptors: Interactions, Activities and Therapeutic Opportunities
Michal Sharon	17:20-17:45	Molecular insights into the unique properties of the blood-circulating proteasome
IUBMB Jubilee Award Lecture	17:45-18:30	Rachel Klevit – The journey toward understanding BRCA1/BARD1
Speed Talks (Session I)	18:35-18:45	
Free Time	18:45-20:00	
Poster Session I	20:00-22:00	
Sunday, 29 September 2024	Time	Event
Session IV: Ub/Ubl pathway in cancer and immune regulation	09:00-12:40	Chairpersons: Ben Stieglitz & Markus Diefenbacher
Elika Weber-Ban	09:00-09:25	Ub-like modification in mycobacterial survival of genotoxic stress
Katrina Warner	09:25-09:40	Structural Ubiquitin contributes to linkage-specificity of the <i>S. cerevisiae</i> HECT ligase Tom1
Rachel Lacoursiere	09:40-09:55	Repurposing bacterial enzymes to understand non-canonical ubiquitination
Lilliana Radoshevich	09:55-10:20	Exploring the role of ISGylation in pathogen spread: Lessons from <i>Listeria monocytogenes</i>
Kay Hofmann	10:20-10:35	Of klepto-ligases and transubiquitinases - surprising activities found in novel bacterial effectors
Coffee Break	10:35-11:05	
Nicolas Nieto Moreno	11:05-11:20	A mass-spec based strategy to uncover the interactome of ubiquitylated proteins
Marcin Suskiewicz	11:20-11:35	Filament-forming substrates and ligases of ubiquitin/Ubl modifications
Simona Polo	11:35-12:00	Navigating the Growth Cone: where Ubiquitin Meets the Tubulin Code
Natalia Szulc	12:00-12:15	Lysine deserts and cullin-RING ligase receptors: Navigating untrodden paths in proteostasis
Ivan Dikic	12:15-12:40	Tumor immune evasion through IRGQ-directed autophagy
Speed Talks (Session II)	12:45-12:55	
Lunch Buffet	13:00-15:00	
Poster Session II	13:30-15:30	
Departure to Dubrovnik	16:00	
Monday, 30 September 2024	Time	Event
Session V: Ub/Ubl pathway in proteostasis and neurodevelopment	09:00-12:25	Chairpersons: Germana Meroni & Elena Ziviani
Michael Rape	09:00-09:25	Stress signaling at the crossroads of development and disease
Mateusz Ambrozkiwicz	09:25-09:40	Protein ubiquitination regulates cellular diversity in the developing brain
Renato Arnese	09:40-09:55	Myopathies-linked myosin mutations result in impaired protein homeostasis
David Vilchez	09:55-10:20	Cold temperature delays aging and proteostasis collapse
Coffee Break	10:20-10:50	
Dusan Bgunovic	10:50-11:15	Human Disease Stemming from Loss of ISG15
Matthew Cuneo	11:15-11:30	Dysregulation of metamorphic E3 complexes underpin gain-of-function cancer mutations in SPOP
Marilyn Tirard	11:30-11:45	Pathogenic UFM1 variant perturbs neuronal development and synaptic transmission
Mali Raman	11:45-12:10	Mutations in the p97 ATPase that cause ALS disrupt lysosome quality control
Rune Busk Damgaard	12:10-12:25	LUBAC and OTULIN control AMPK activation and response to energetic stress
Speed Talks (Session III)	12:30-12:40	
Lunch & Free Time	12:45-15:15	
Meet the Expert Round Tables	14:00-15:00	
Session VI: Quality Control	15:15-17:30	Chairpersons: Simona Polo & Marie-Odile Fauvarque
Eric Bennett	15:15-15:40	RNF10 and R10K3 Regulate Ubiquitin-mediated 40S Degradation
Shalini Agarwal	15:40-15:55	Silencing the HRI branch of the Integrated Stress Response Enhances PINK1 Mitophagy Signalling
Petra Beli	15:55-16:10	Functions of K6-linked ubiquitylation in the cellular response to RNA-protein crosslinks
Claudio Joazeiro	16:10-16:35	Alanine-tailing modifies neurodegeneration caused by mutation of the Listerin/Ltn1 E3 ligase
Déborá Broch Trentini Schmidt	16:35-16:50	Principles of co-translational quality control during CFTR synthesis
Eszter Zavodszky	16:50-17:05	Convergence of quality control pathways during protein complex assembly
Yogesh Kulathu	17:05-17:30	Cell signalling by branched ubiquitin chains
Poster Session III	17:30-19:30	
Free Time	19:30-20:15	
Farewell Gala & Party	20:15-23:00	
Tuesday, 1 October 2024	Time	Event
Session VII: UPS Therapeutics	09:00-11:45	Chairpersons: Claudio Joazeiro & Maria Sundvall
Stefan Müller	09:00-09:15	Proximity-induced functionalization of PML shields TDP-43 via SUMO-Ubiquitin networks
Andrea Murachelli	09:15-09:30	Structure of BRCA1-A with a Novel Metallo-DUB Inhibitor Explains Preference for Long K63 Ubiquitin Chains
Wilhelm Vayssse-Zinkhöfer	09:30-09:45	CUL5WSB2 uses BCLxL to recruit BIM for degradation in Neuroblastoma
Cristina Mayor-Ruiz	09:45-10:10	Degraders: Unlocking drug discoveries and navigating resistance challenges
Marco Jochem	10:10-10:25	Analysing Non-Proteinaceous Ubiquitination via NoPro-clipping
Coffee Break	10:25-10:55	
Erin Dueber	10:55-11:20	Targeted degradation via direct 26S proteasome recruitment
Ray Deshaies	11:20-11:45	Building a platform for discovery of targeted degradation therapeutics
Closing Ceremony & Poster Awards	11:45-12:30	
Lunch Box & Departure	12:30	